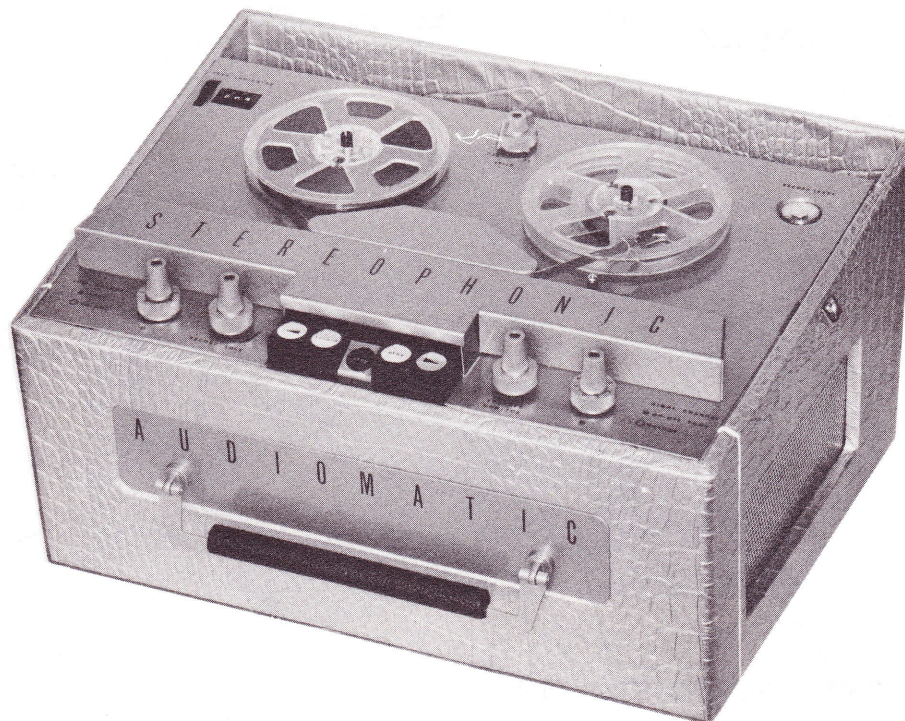
AUDIOMATIC MODEL  
A-900AUDIOMATIC MODEL  
A-900

## GENERAL INFORMATION

The Audiomatic Model A-900 is a dual-track monaural tape recorder and player. It will play two or four track prerecorded stereophonic tapes.

Model A-900 features push-button control for each tape transport mode. These modes are: Rewind, Record, Stop, Play, and Fast Forward.

Double track recording is used, giving two full length recordings on a reel of tape. Any size reel up to 7" can be used. A record level indicator is provided to simplify the record level setting. New recordings can be made on previously recorded tape since the erase head is automatically positioned when the record button is depressed. Monaural recordings can be made from a radio, television receiver, or phonograph in addition to those made directly from the microphone.

This recorder has two tape speeds, 7.50 inches per second, and 3.74 inches per second. Using both tracks, the recording time is as follows:

Reel Size	3.75 Speed	7.50 Speed
5" (600 ft.)	1 hour	1/2 hour
7" (1200 ft.)	2 hours	1 hour

Connect this recorder to a 117 volt, 60 cycles, AC supply only.

Supplied By:

Continental Iambic Inc.,  
6842 W. Archer,  
Chicago, Illinois

**HOWARD W. SAMs & CO., INC.** Indianapolis 6, Indiana

The listing of any available replacement part herein does not constitute in any case a recommendation, warranty or guaranty by Howard W. Sams & Co., Inc., as to the quality and suitability of such replacement part. The numbers of these parts have been compiled from information furnished to Howard W. Sams & Co., Inc., by the manufacturers of CQ477



the particular type of replacement part listed. Reproduction or use, without express permission, of editorial or pictorial content, in any manner, is prohibited. No patent liability is assumed with respect to the use of the information contained herein. © 1961 Howard W. Sams & Co., Inc., Indianapolis 6, Indiana. Printed in U.S. of America

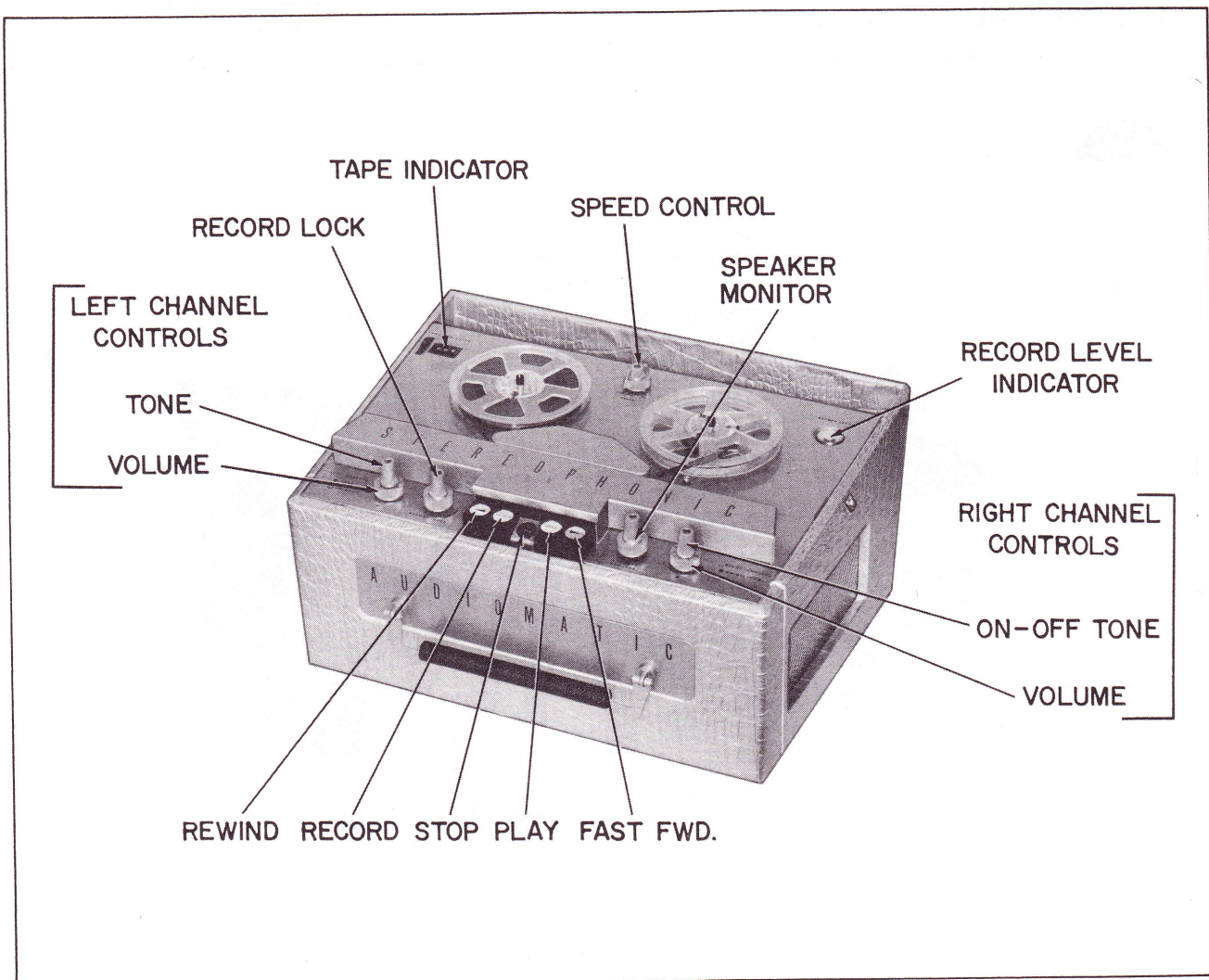


Fig. 1. Audiomatic A-900 with cabinet top removed.

## TECHNICAL SPECIFICATIONS AUDIOMATIC MODEL A-900

### Amplifier

#### Stereo Input:

In STOP position, both serve as low level inputs for using the recorder as a complete amplifier. For stereo, both are used; monaurally, either can be used.

#### Recording Input:

For recording directly from radio or TV or from the Model P-902 phonograph.

#### Sing A-Long Input:

Permits use of microphone when playing tape or records.

#### Ext. Spkrs:

For earphone monitoring or operation of external speaker system. Also can be used as variable outputs for feeding external amplifier or built-in Hi-Fi systems.

#### Volume Controls (Two):

Both bass and treble compensated. Independently controls output of each channel.

#### Output:

6 watts peak (stereo).



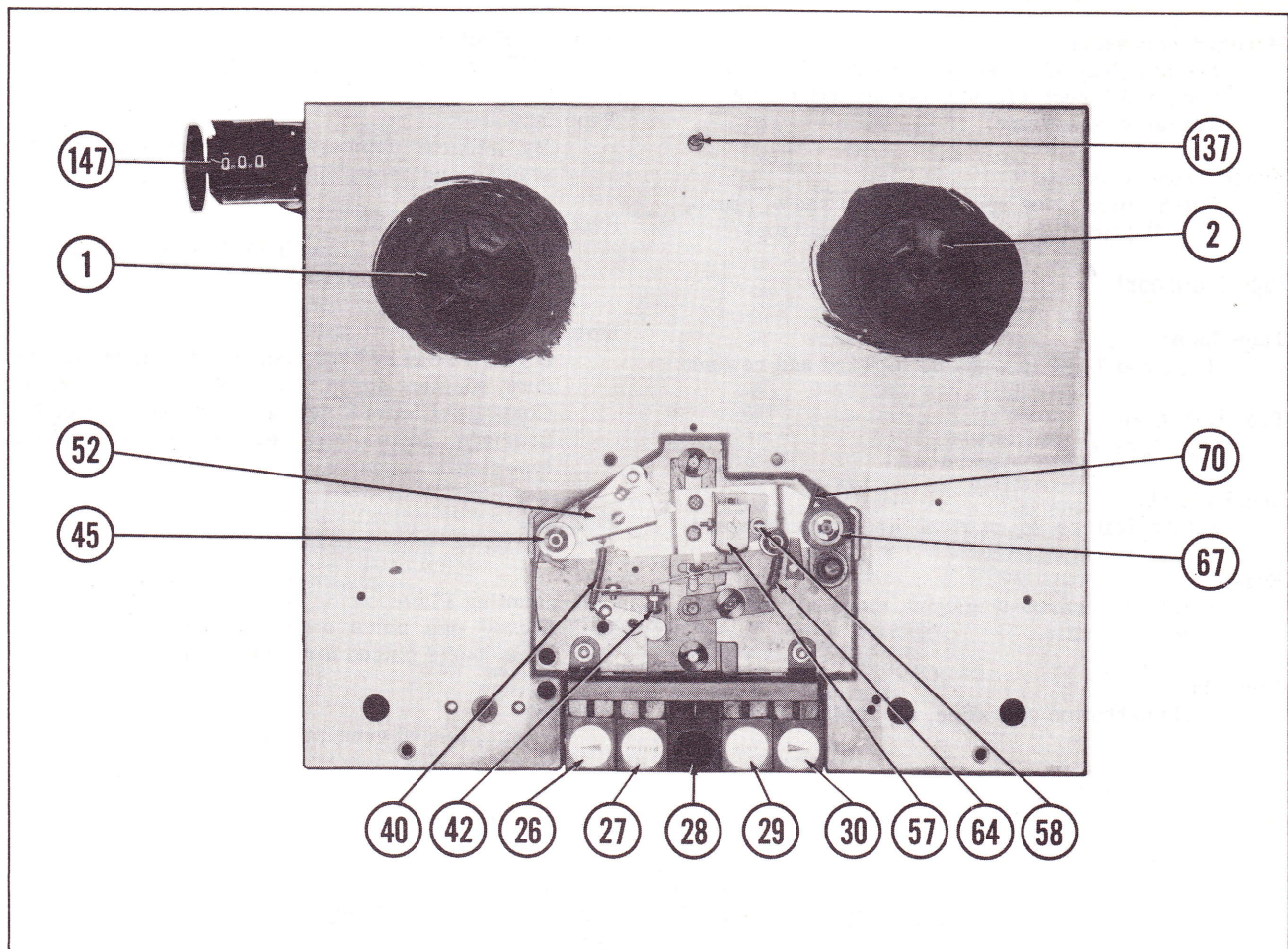


Fig. 2. Top View of mechanism with baseplate overlay removed.

AUDIOMATIC MODEL  
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**Tube Complement:**

1--5Y3, 2--ECC82/12AU7, 2--ECL82/6BM8.

**Power Supply:**

Heavy duty, transformer type, hum and noise shielded. 117VAC, 112 watts.

**Frequency Response:**

40 to 15,000 cps @ 7 1/2 ips + 3 db.

**Record Indicator:**

Easy view, tube type (tuning eye).

**Harmonic Distortion:**

5% at peak output.

**Speakers:**

2--5" x 7" heavy permanent magnet, extended range matched speakers. Acoustically baffled with On-Off monitoring switch.

**Chassis:**

Heavy aluminum, fully shielded.

**Signal To Noise Ratio:**

40 db minimum.

**Bias Frequency:**

80,000 cycles, for distortion-free recording.

**Tone Controls (Two):**

Full range, from maximum brilliance to rich bass tone. Independent control of each channel for best listening pleasure.

**General**

**Size:**

18 7/8" x 9 3/4" x 15 1/4"

**Weight:**

39 lbs.

**Storage Compartment:**

For tape, reels, AC cord, and microphone.

**Public Address System:**

Can be used while recording.

**AC Outlet:**

Located on rear panel. Provides AC outlet for phonograph, etc.

**Duplicating Tapes:**

Using two units exact copies can be made.

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**Standard Accessories:**

1-Humi-Seal Crystal Microphone, 1-7" empty reel, 1-5" reel of tape, 1-instruction book, 1-warranty certificate.

**Accessories Available:**

Patch cords - for recording from radio, phono, TV. Duplicating cords - for copying tapes.

**Tape Transport**

**Tape Speed:**

3 3/4 and 7 1/2 ips. Rapid forward and rewind.

**Tape Reel Size:**

3", 5", or 7".

**Record Lock:**

Safety feature to prevent accidental erasure.

**Erase:**

Patented permanent magnet, diagonal gap, positive, automatic.

**Controls:**

Full pushbutton operation, all modes.

**Wow and Flutter:**

.35% or less-7 1/2 ips speed.

**Tape Indicator:**

By integral numbers, easily reset, giving instantaneous selection.

**Record-Playback Head:**

Stacked in-line, combined 1/4 or 1/2 track, fully shielded .0002 gaps.

**Motor:**

Dynamically balanced, vibration free. Heavy duty, constant speed, 4-pole shaded--1700 rpm. Contains lifetime, self-aligned, select fit oilite bearings. Motor mounted on special isolation type floating mounts.

**Flywheel:**

Balanced, zinc die cast.

**Unit Mounting Plate:**

Sturdy one piece aluminum die-cast metal--other parts placed for protection.

**Cooling:**

4" fan, forced ventilation.

**SPECIFICATIONS  
MODEL P-902 STEREOPHONIC PHONO DISC-TURNTABLE  
( ACCESSORY )**

**Speeds:**

3-speed manual turntable-33 1/3, 45, and 78 rpm.

**Weight:**

Approximately 8 lbs.

**Cartridge:**

Stereophonic cartridge with turnover needle.

**Size:**

14" x 8" x 5".

**Neutral Position:**

To prevent drive wheel "flat spots" when not in use.

**Case:**

Portable with cover and handle.

**Cables:**

For either monaural or stereophonic reproduction.

**SPECIFICATIONS  
MODEL S-901 DUAL EXTENSION SPEAKERS  
( ACCESSORY )**

**Carrying Case:**

Portable, separates into two separate tone balanced speakers.

**Extra Speaker jack:**

Enables use of both speakers monaurally for greater volume and coverage.

**Case Complement:**

Each unit consists of one-8" permanent magnet speaker and one-3" tweeter. Crossover network used in each unit.

**Weight:**

Approximately 18 lbs.

**Size:**

15 1/2" x 14" x 12".

**10-Foot Leads:**

2-used, for plugging into Audiomatic extension speaker jacks.



## FUNCTIONS OF CONTROLS & PUSHBUTTONS

### On-Off, Tone, Volume - Right Channel

This is a dual control located at the extreme lower right side of the top panel. The large outer rim controls the volume of the sound from the right channel speaker when playing stereo. The small inner knob turns the Audiomatic "on" and also is used to adjust the tone from the right channel speaker.

### Speaker Monitor

This control is located to the left of the ON-OFF switch. It serves as a monitor control so that you can listen to sound as it is being recorded monaurally. Turning this control to the right (clockwise) turns on the left internal speaker. Turned to the left, the speaker is disconnected. The SPEAKER MONITOR switch does not control the right internal speaker or extension speakers.

### Tone, Volume - Left Channel

This, also, is a dual control, located at the extreme left on the top panel. The large outer rim controls the volume of the left channel speaker. The small inner knob is used to adjust the tone from the left channel speaker.

### Record Lock

This knob serves to prevent recordings from being accidentally erased by pressing the RECORD pushbutton by mistake.

NOTE: THIS KNOB MUST BE TURNED TO THE RIGHT (CLOCKWISE) BEFORE THE RECORD BUTTON CAN BE DEPRESSED.

### Speed Control

The SPEED knob should point to 7.50 or 3.75 according to the speed desired. The Audiomatic has two tape speeds, 7.50-inches-per-second and 3.75-inches-per-second. Insofar as quality of recording reproduction is concerned, Speed is an important factor. The higher the speed, generally, the greater will be the fidelity.

Caution: Do not turn the SPEED knob unless the STOP button is depressed.

### Rewind Button

This button is used to transfer the tape rapidly from the right (take-up) reel to the left (supply) reel at high speed.

### Record Button

This button is used to start the Audiomatic recording any sound being fed to the tape from microphone, radio, TV, phonograph, or telephone.

Note: THE RECORD LOCK MUST BE TURNED BEFORE THE RECORD BUTTON CAN BE DEPRESSED.

### Stop Button

This button is used to stop tape travel after being in either the PLAY, RECORD, FORWARD, or REWIND modes. It is also a safety feature and must always be left pressed down when the recorder is not in use.

### Play Button

This button is used to start the Audiomatic playing back any recording that is on the tape, monaural or stereophonic.

### Forward Button

This button is used to transfer the tape rapidly from the left reel to the right reel without recording or playing back.

### Tape Indicator

Set the counter to zero by turning its reset knob toward the rear of the recorder when starting to record or play back a reel of tape. If the reading of the counter is noted at various points in the tape travel, new program selections can be indexed, or previously recorded selections can be located with great accuracy.

### Record Level Indicator

The RECORD LEVEL indicator gives a visual analysis of the correct volume setting for the RECORD function. Adjust the LEFT CHANNEL VOLUME control to the point where the RECORD LEVEL indicator does not quite close on peak passages.

## REAR PANEL CONNECTIONS

### Ext. Spkrs. - Left and Right

These jacks provide a connection for external speakers. When external speakers are used, the internal speakers are automatically disconnected.

### Sing A-Long

By inserting the microphone plug into the Sing

A-Long jack, the operator can accompany phonograph records or monaural tapes without his voice being recorded on the tape.

### Mic. Input

The microphone may be plugged into this jack for recording or for public address use.



## Recording Input

This jack is designed to connect the audio signals from a radio, phonograph, or television receiver to the recorder for recording purposes.

## Stereo Input

These input jacks are designed for connecting the two phono pick-up cables from a stereo phonograph to the recorder for playing stereo records.

## OPERATING INSTRUCTIONS

### Preparation For Operation

1. Remove the AC power cord, reel of tape, empty reel, and the microphone from the rear compartment.
2. Depress the STOP button.
3. Plug the AC cord into a convenient wall receptacle of the proper rating.
4. Set SPEED control knob in the 3.75 or 7.50 position as desired.

Caution: Do not turn SPEED control knob unless STOP button is depressed.

When the forward or reverse buttons are depressed, the RECORD and PLAY buttons are locked so that they cannot be pressed down, with, the possibility of spilling tape. The buttons should always be pressed down firmly until they latch. The STOP button must be depressed before changing functions or speeds of the recorder.

Important: Always depress the STOP button when the recorder is not in use.

### Threading The Tape

1. Place a reel of tape on the supply pan (left) making certain the reel slots catch the protrusions of the pan.
2. Place an empty reel, the same size or larger, on the take-up pan (right). Again make certain the reel slots catch the protrusions of the pan.
3. Release the STOP button by pressing lightly on any one of the other four push buttons so that all buttons are in the released position. This releases the tape brakes, simplifying tape threading.
4. Unwind about 14-inches of tape from the supply reel. Hold a section of tape straight with both hands and insert the tape in the tape slot making sure that the dull coated side of the tape faces away from the operator (toward rear of unit).
5. Insert the free end of the tape into the slot in the hub of the empty reel. While holding the tape in place, give the reel two or three turns to secure the tape to the reel.

Note: Do not route tape around tape post.

### To Record From Microphone

1. Insert the microphone plug into the MIC. jack located on the rear panel.

2. With the STOP button depressed, turn the ON-OFF TONE control to the right (clockwise) until a click is heard. Allow the recorder to warm-up until the RECORD LEVEL indicator glows green.

3. Place the SPEED knob in the position desired. As a general rule, 3.75-inches per second for voice, and 7.50-inches per second for music.

4. Turn the RECORD LOCK to the right with the left hand and with the right hand depress the RECORD button--then release the RECORD LOCK.

5. While holding the microphone about 3-4-inches away from the mouth, speak in a normal tone of voice and adjust the LEFT CHANNEL-VOLUME control to the point where the RECORD LEVEL indicator does not quite close on peak passages.

Note: To monitor the sound being recorded, turn the SPEAKER MONITOR control to the right. Care must be taken to keep the microphone far enough from the recorder to prevent squeal due to acoustic feedback.

### Rewind (◀) Or Fast Forward (▶)

When it is desirable to play a certain portion of a tape over again, it is not necessary to rewind the entire reel. By depressing the rewind (◀) button the tape will reverse at a rapid speed. By depressing the fast forward (▶) button the tape will advance at a rapid speed.

### To Record From Radio Or TV

While it is possible to record sound from an external source simply by placing the microphone in front of the speaker, this is not recommended as background noises will be recorded along with the desired program material.

For noise free recordings, record directly from the speaker voice coil terminals of the radio or TV receiver. For this purpose, a patch cord is available from your Audiomatic dealer.

1. Insert the plug end of the patch cord into the RECORDING INPUT located on the rear panel of the Audiomatic.
2. Connect the patch cord alligator clips to the radio or TV receivers voice coil terminals.
3. Adjust the volume control of the radio or TV at normal room volume. Set the tone control of the radio or TV at full treble.



4. Proceed with recording as described under "To Record From Microphone".

### To Record From Phonograph

1. Plug one of the phono turntable output cables into the RECORDING INPUT jack located on the rear panel.
2. Insert AC cord from phonograph into 117 V.A.C. outlet on rear panel.
3. Start turntable and proceed with recording as described under "To Record From Microphone".

Note: The microphone should not be connected to the Audio matic when recording from another source. Also, when the recording is played back, the phono output cable should be removed from the RECORDING INPUT jack.

### To Use Second Track

1. Depress the STOP button when the tape has been wound onto the take-up reel.
2. Remove take-up reel, turn over, and place on supply pan.
3. Place empty reel on take-up pan.
4. Thread tape and proceed with recording as previously described.

### To Play Monaural Recordings

1. Thread tape as described under "Threading The Tape".
2. Set the SPEED knob to the speed at which the recording was made.
3. Place SPEAKER MONITOR control in the "on" position.
4. Turn the RIGHT CHANNEL-VOLUME control to minimum.
5. Press the PLAY button and adjust the LEFT CHANNEL-VOLUME and TONE controls for desired listening level.

### To Play Stereophonic Tape

1. Thread tape as described under "Threading The Tape".

2. Set the SPEED knob to the speed at which the recording was made.

3. Place SPEAKER MONITOR control in the "on" position.

4. Adjust the RIGHT and LEFT VOLUME and TONE controls for desired listening level.

### Sing A-Long Use With Phono

1. Place a record on the turntable and plug one of the phono output cables into the jack on the back panel marked RECORDING INPUT.

2. Insert microphone plug into the jack on the back panel marked SING A-LONG.

3. Start the turntable and adjust the LEFT CHANNEL-VOLUME control for desired listening level.

4. Sing into the microphone and adjust the RIGHT CHANNEL-VOLUME control until the sounds coming from the right-hand speaker blend with the music coming from the left-hand speaker.

### Sing A-Long Use With Tape

In addition to accompanying phonograph records, you can record monaural selections, then play the tape and narrate at the same time.

1. Play the tape in the normal manner, adjusting LEFT CHANNEL-VOLUME control.

2. Plug microphone into jack marked SING A-LONG, sing into microphone and advance RIGHT CHANNEL-VOLUME control to the point where your voice blends with the music.

Caution: You cannot record your voice along with the taped program. If the RECORD button is depressed, the tape will be erased.

### To Use As Public Address System

With the STOP button pressed down, speak directly into the microphone, setting the LEFT CHANNEL-VOLUME and TONE controls for desired listening level and tone.

Caution: Hold the microphone as far away as possible from the left speaker to prevent squeal due to acoustic feedback.

## DISASSEMBLY INSTRUCTIONS

### To Remove Unit From Case ( Refer to Exploded View)

1. Remove push-on type speed shift knob (3), the top and bottom of dual control knobs (14), (16), (22), and (23), and the dummy dual control knobs (20) and (24).
2. Remove the two screws, (9) and (10), from the front escutcheon (11). Remove escutcheon.

3. Remove screw (5) from rear escutcheon (6). Remove escutcheon.

4. Remove tape guide post (15).

5. Remove screws (18) that mount the front escutcheon mounting brackets.

6. Remove the two screws holding the unit in the cabinet (located at top of storage compartment).

7. Remove baseplate overlay (12).
8. Remove the two screws, located at front of baseplate, holding unit in cabinet.
9. Remove the four screws holding "U" shaped bracket in storage compartment. Remove "U" shaped bracket from storage compartment.
10. Remove the four screws holding the two sub-panels to the rear panel.
11. Push the two sub-panels through the holes in the rear of the cabinet.
12. Lift tape transport and amplifier assembly partially out of cabinet. Unplug four speaker leads and speaker monitor plug before removing unit completely.

## To Remove Amplifier From Transport Mechanism

1. Remove the motor and power transformer plug from the amplifier chassis.
2. Remove the four head leads from the play-record head terminals.
3. Remove two screws from each end of amplifier chassis.
4. Carefully lift the amplifier away from the transport mechanism and disconnect the play-record switch arm link (104).

## MECHANICAL ADJUSTMENTS

### Pressure Pad Adjustment (Refer to Exploded View)

1. Remove front escutcheon (11).
2. Depress the PLAY button. Do not turn the Automatic "on".
3. Use a pencil type postal scale and check the amount of pressure necessary to just pull the right-hand pad away from the play-record head (57). The test should be made at the right-hand end of the pressure pad mounting spring. If necessary, adjust locked adjustment screw (42) until a reading of  $1\frac{3}{4}$ -oz.  $\pm 1/4$ -oz. is obtained.
4. The guide post pressure pad (left-hand pad) is adjusted by bending the pressure pad spring (35). Adjust for minimum pressure against tape.

### Erase Head Adjustment

1. With tape properly threaded, turn recorder "on" and depress the RECORD button. Allow tape to run for a few seconds then turn recorder "off", but leave RECORD button depressed.
2. With front escutcheon (11) and rear escutcheon (6) removed, check erase head (52) to see if it is parallel with the tape.
3. Check to see if the top edge of the tape coincides with the top end of the diagonal slot in the erase head

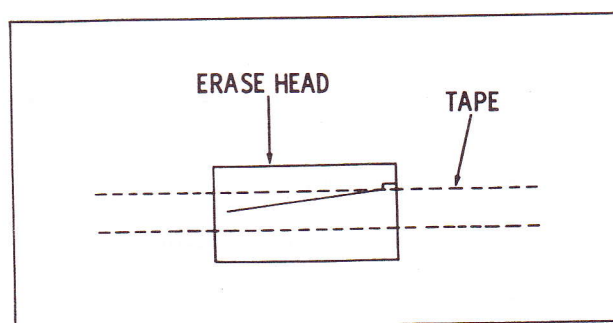


Fig. 3. Erase head tape path.

(junction of long diagonal slot and short vertical slot). See Figure 3. To adjust the level of the tape, loosen set screw (44) and rotate tape guide post (45) to move tape up or down. See Exploded View.

### Brake Shoe Adjustment (Refer to Exploded View)

1. With all pushbuttons in the "up" position, the brake pads (90) should clear brake drums (107 and 109) by approximately  $1/8$ ".
2. Depress the STOP button while observing the brake pads. Both brake pads must contact the brake drums at the same time and with equal pressure.
3. If necessary, adjust by bending brake spring (91).

## CLEANING

The majority of defects, other than wear or breakage, can be traced to dirty surfaces. The play-record head (57), capstan, and pressure roller (67) are subject to an accumulation of tape coating oxide, which is worn off the tape as it passes these parts. This

accumulation should be periodically removed since it will cause faint recording and poor playback. Wipe these surfaces carefully with a clean cloth. If dirt is caked or hard and will not come off with a dry cloth, dampen cloth with alcohol or lighter fluid.



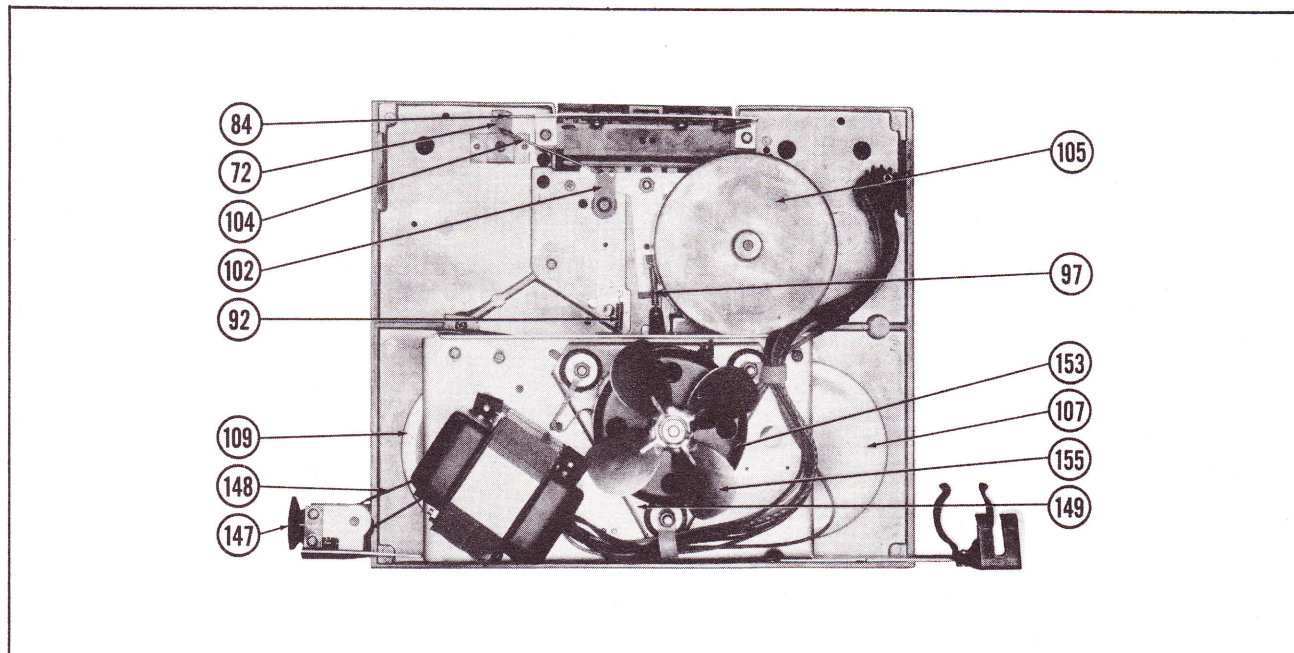


Fig. 4. Bottom view of transport mechanism.

### LUBRICATION

All rotating parts are provided with generous size oilite bearings which are factory lubricated. Under normal use no further lubrication is necessary. In heavy duty service, the following parts should be lubricated once a year with a drop of # 10 motor oil:

1. The top and bottom motor bearings.
2. The capstan bearing.
3. Pressure roller (67) bearings.
4. All idler and drive wheel bearings.

5. The reel pan bearings.

The basic rule is - do not over lubricate. Oil must be kept off all rubber idlers, belts, and periphery of flywheel and off parts that might transfer oil to them. Always wipe excess lubricant from parts that have been lubricated.

An occasional cleaning out of foreign matter under the pushbuttons is desirable, and a drop of oil on the sliding lever members is advisable.

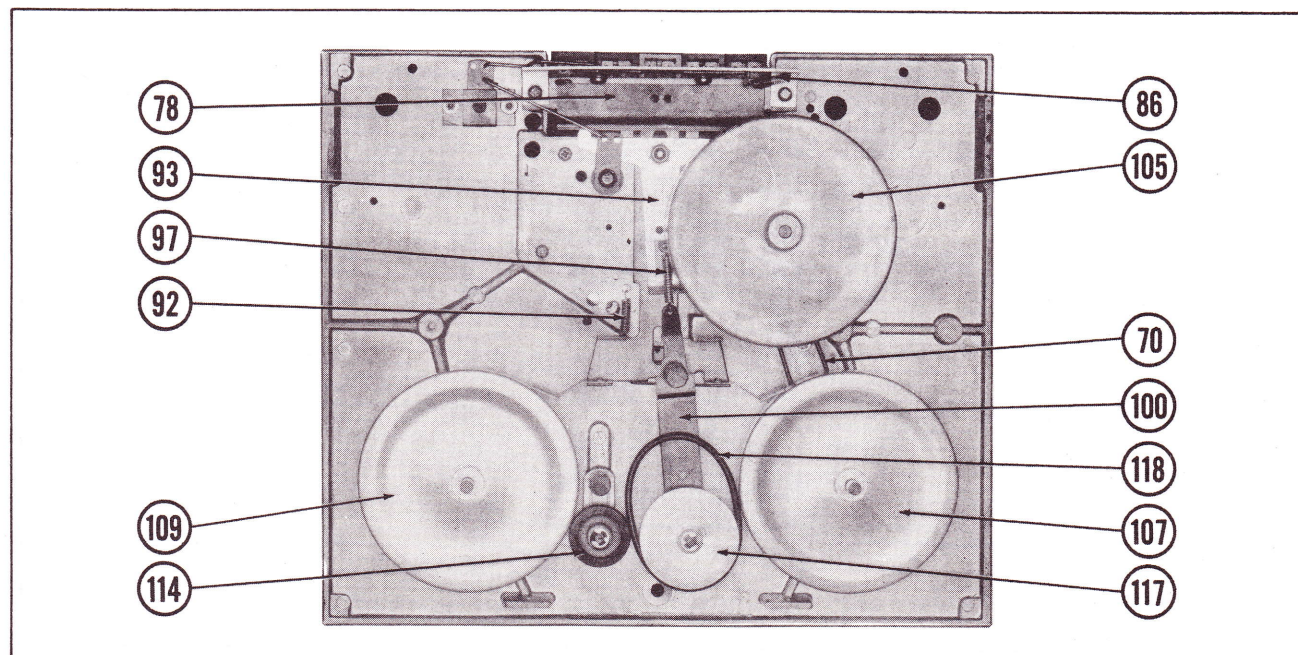


Fig. 5. Bottom view of transport mechanism - motor mounting plate removed.

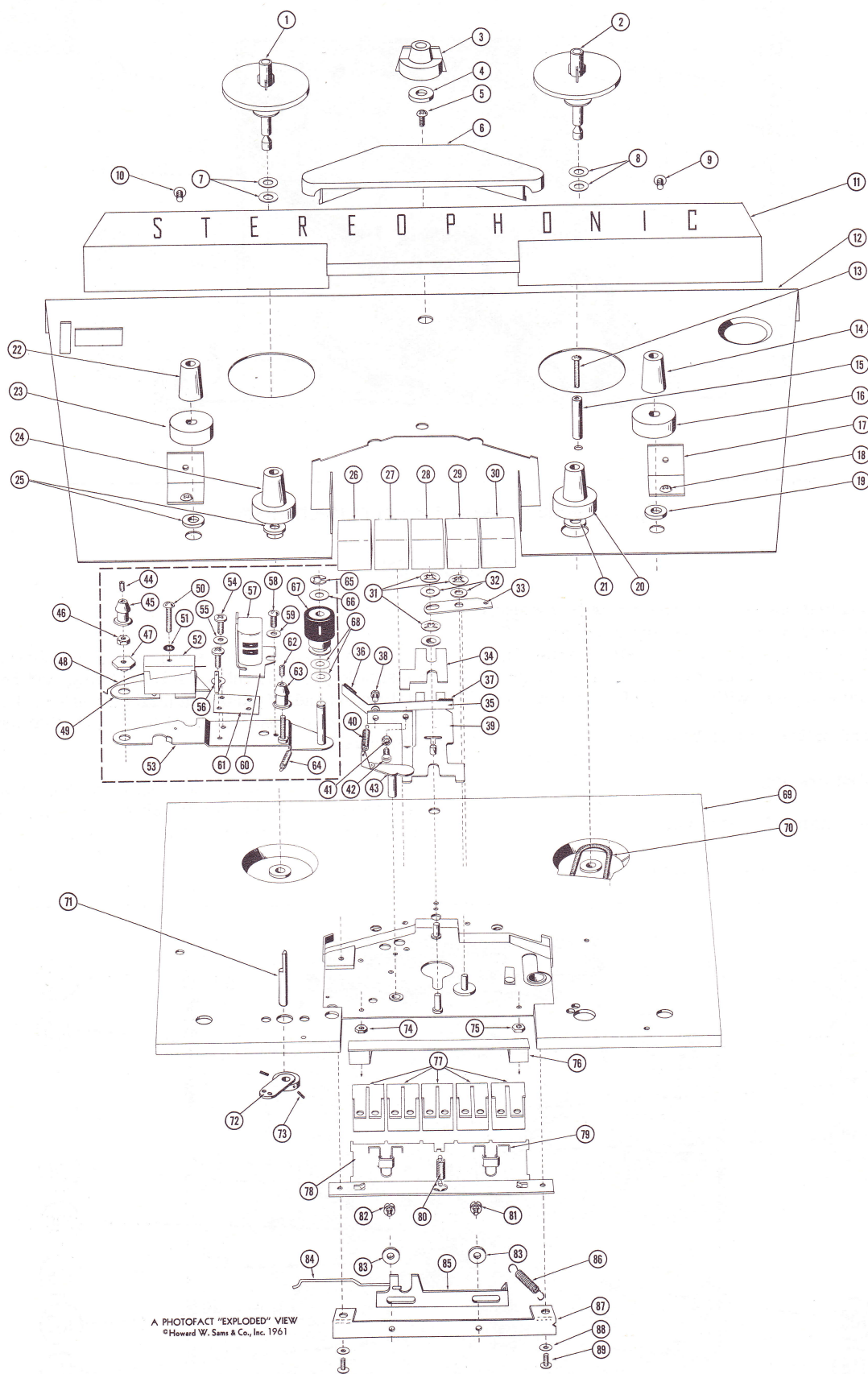
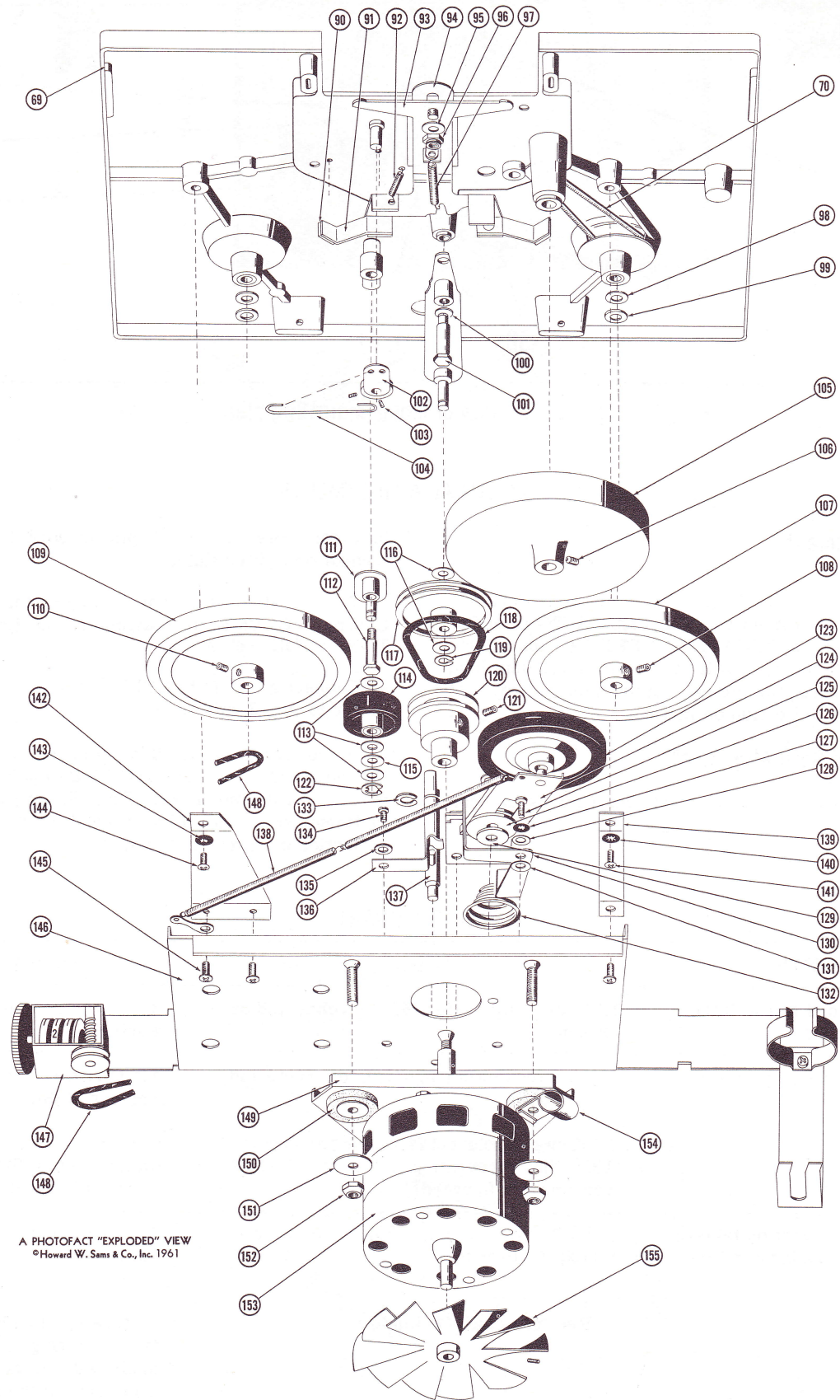


Fig. 6 A. Exploded view of parts above baseplate.





**Fig. 6 B. Exploded view of parts below baseplate.**

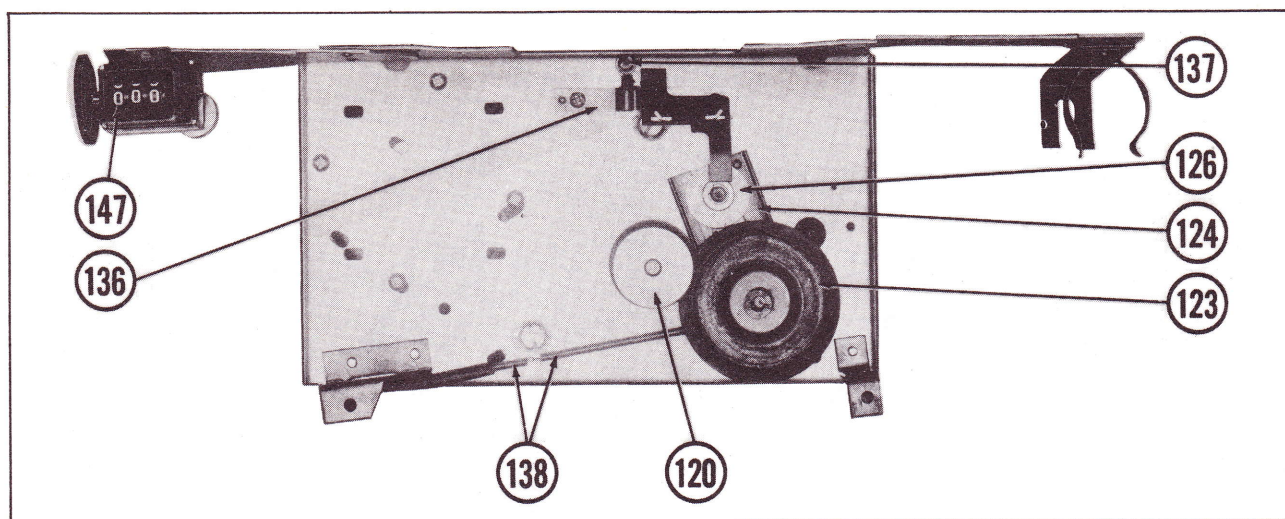


Fig. 7. Top view of motor mounting plate.

## ELECTRICAL ADJUSTMENTS

### Hum Adjustment

Place unit in PLAY position; Left Channel-VOLUME at maximum and Left Channel-TONE at full bass. Connect a VTVM to the LEFT Ext. Spkr. jack. Set the VTVM to AC, 3 volt scale, with a 3.3 ohm load resistor across the meter. Adjust hum control (R3) for minimum deflection on meter.

### Play-Record Head Alignment

1. Remove front escutcheon (11) and rear escutcheon (6).

2. Clean pole pieces of play-record head (57) with alcohol or lighter fluid.

3. Thread alignment tape on recorder. Turn Left Channel-VOLUME to maximum, and Left Channel-TONE to full treble.

4. Connect a VTVM to LEFT Ext. Spkr. jack. Set the meter to AC, 3 volt scale.

5. Place recorder in PLAY position, 7 1/2-inch per second speed. Decrease VOLUME to point where output is 1-volt on meter. Turn play-record head adjustment screw (57, Fig. 2) until maximum point of deflection on meter is obtained.

## TROUBLE CHART

Symptom	Cause	Remedy
Push buttons fail to latch into position.	1. Lock plate spring (80) disconnected or broken.	1. Connect or replace spring (80).
No drive in Play or Record.	1. Idler tension springs (138) disconnected or broken.	1. Connect or replace springs (138).
	2. Idler slide plate (124) binding on bushing (126), thus preventing idler wheel (123) from moving forward.	2. Check slide plate (124) and bushing (126) for burrs. Clean with alcohol.
Tape fails to wind on take-up reel during Play or Record.	1. Reel drive spring (70) loose, disconnected, or broken.	1. Connect or replace spring (70).
	2. Reel pan shaft (2) binding.	2. Clean foreign matter from bearing surface and shaft with a clean cloth. Lubricate with one drop of # 10 motor oil.
No Fast Forward or Rewind.	1. Idler lever tension spring (97) disconnected or broken, thereby not actuating idler lever (100).	1. Connect or replace spring (97).



# TROUBLE CHART ( Cont'd)

Symptom	Cause	Remedy
	2. Idler drive belt (118) broken or not properly connected.	2. Replace idler drive belt (118).
Tape spills when Stop button is depressed during fast Forward or Rewind.	1. Brake shoes out of adjustment. 2. Brake pads worn out or missing.	1. See "Brake Shoe Adjustment" under Mechanical Adjustments. 2. Replace brake pads.
"Wow" during operation of recorder.	1. Brake return spring (92) disconnected or broken. 2. Check all driving surfaces for oil or foreign matter.	1. Connect or replace spring (92). 2. Clean with a cloth and alcohol.
"Flutter" during operation of recorder.	1. Dirty play-record head (57), pressure pads, capstan shaft or pressure roller (67).	1. Clean as described under "Cleaning".
No erase or erase is incomplete.	1. Erase head tension spring (40) disconnected or broken. 2. Erase head (52) not adjusted properly.	1. Connect or replace spring (40). 2. See "Erase Head Adjustment" under Mechanical Adjustments.
Does not record.	1. Faulty microphone or cord. 2. Faulty input jack. 3. Faulty tube. 4. Open play-record head (57).	1. Replace if necessary, after checking recorder with another type of input. 2. Check and replace if necessary. 3. Check tubes. 4. Check continuity. After checking for continuity, demagnetize head.
Motor and amplifier inoperative.	1. Power supply defect. 2. Damaged power cord. 3. Defective On-Off switch.	1. Check voltages per schematic. 2. Repair or replace. 3. Replace switch.

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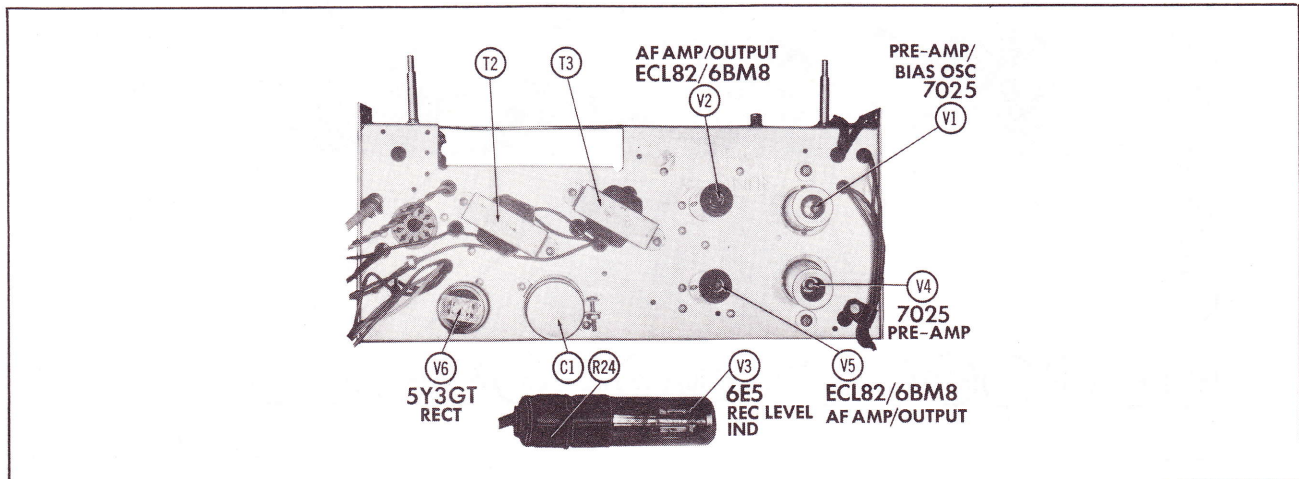


Fig. 8. Top view of amplifier.

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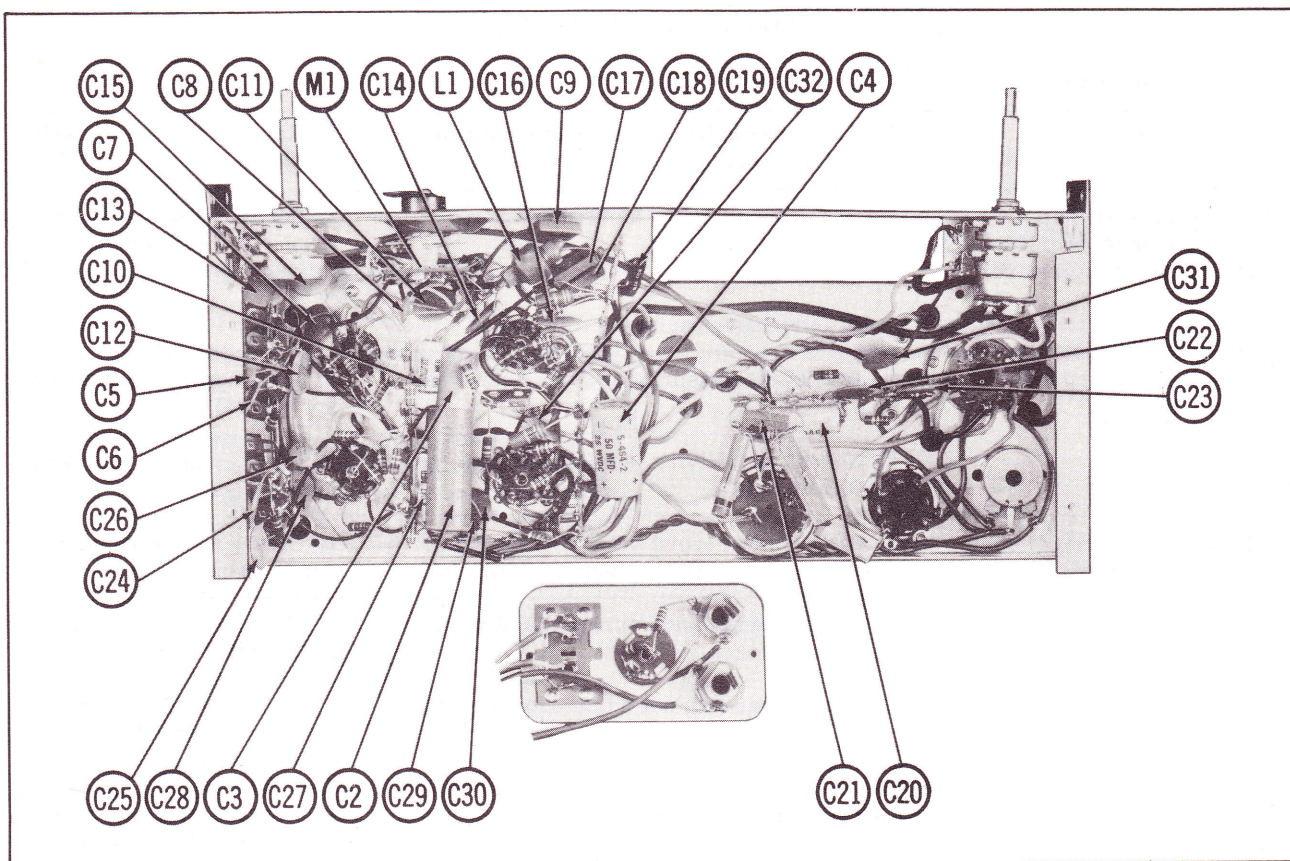


Fig. 9. Bottom view of amplifier showing capacitor locations.

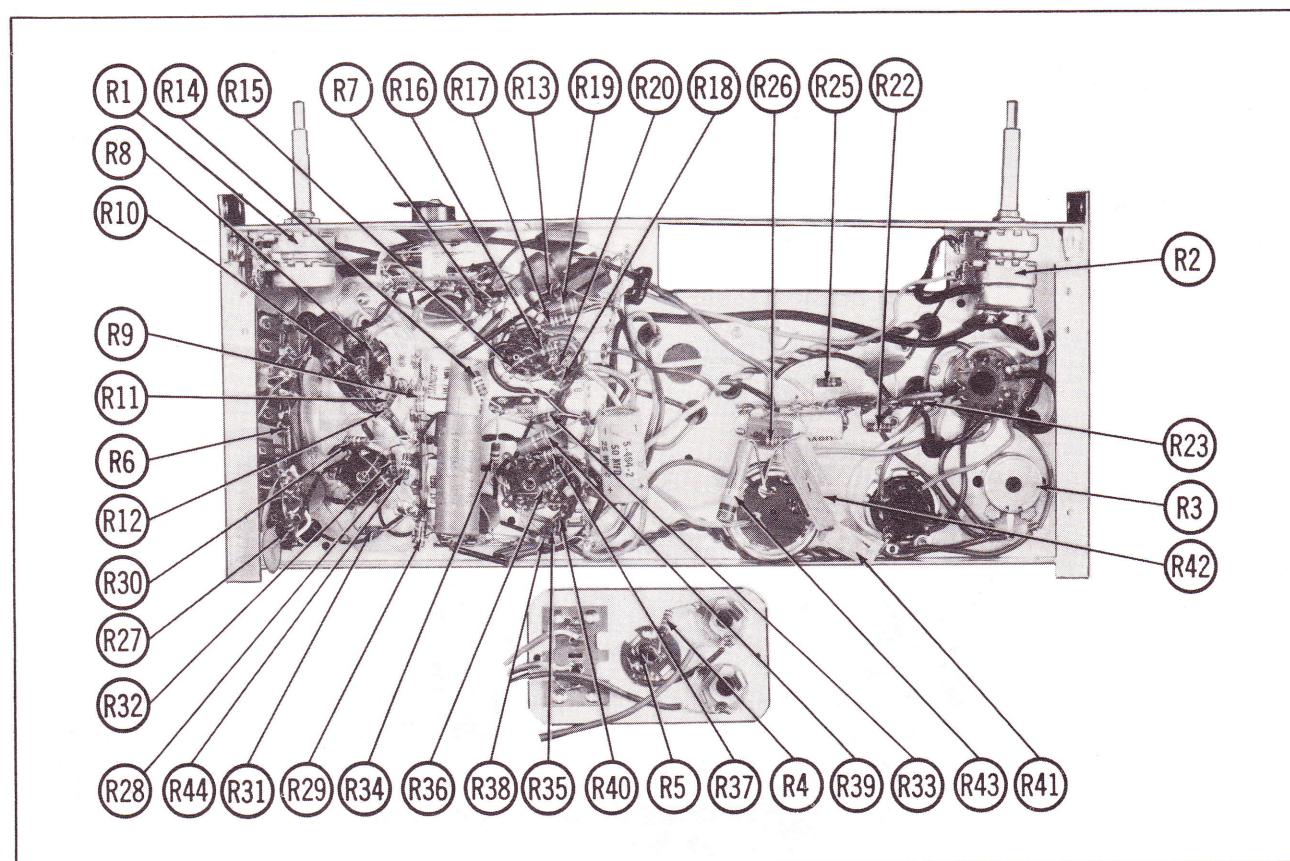
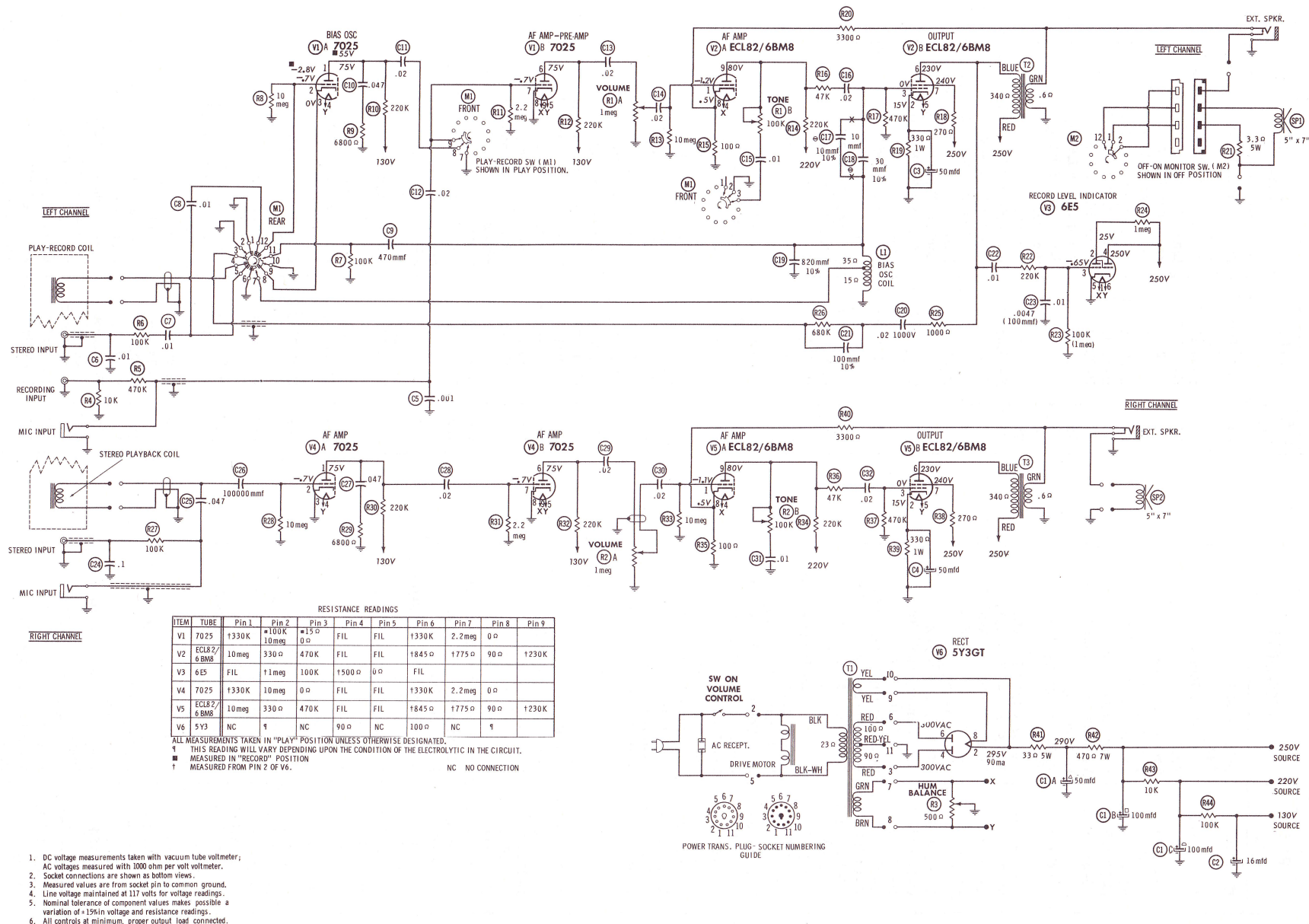


Fig. 10. Bottom view of amplifier showing resistor locations.



Fig. 11. Schematic of Audiomatic A-900.



A PHOTOFAC STANDARD NOTATION SCHEMATIC  
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# MECHANICAL PARTS LIST

Ref. No.	Part No.	Description
1	C-13.318-3	Nylon Reel Pan & Shaft Ass'y.
2	C-13.318-3	Nylon Reel Pan & Shaft Ass'y.
3	C-13.448	Speed Shift Knob
4	73-2254-3	Felt Washer
5	57-4C-606-4	# 6-32 x 3/8" O.H.M.S.
6	D-13.450-1	Rear Escutcheon
7	73-2340-1	Varnish Impregnated Washer
8	73-2340-1	Varnish Impregnated Washer
9	57-7C-804-4	# 8-32 x 1/4" T.H.M.S.
10	57-7C-804-4	# 8-32 x 1/4" T.H.M.S.
11	C-35.1419-1	Front Escutcheon Ass'y.
12	D-35.1456-1	Baseplate Overlay Silk Screen Ass'y.
13	57-6C-615-5	# 6-32 x 1" T.H.M.S.
14	C-13.447-1	Dual Control Knob, Top
15	B-32.282	Tape Guide Post
16	B-35.1435-1	Dual Control Knob, Bottom
17	B-19.1683-1	Front Escutcheon Mtg. Brkt.
18	57-7C-804-1	# 8-32 x 1/4" T.H.M.S.
19	73-2254-3	Felt Washer
20	C-13.446	Control Knob, Dummy Dual
21	73-2254-3	Felt Washer
22	C-13.447-1	Dual Control Knob, Top
23	B-35.1435-1	Dual Control Knob, Bottom
24	C-13.446	Control Knob, Dummy Dual
25	73-2254-3	Felt Washer
26	B-35.1369-1	Push Button Ass'y., Rewind
27	B-35.1369-2	Push Button Ass'y., Record
28	B-35.1369-3	Push Button Ass'y., Stop
29	B-35.1369-4	Push Button Ass'y., Play
30	B-35.1369-5	Push Button Ass'y., Fast Forward
31	B-33.412	Push-On Stud Nut, 3/16" Stud
32	73-2241-148F	Flat Washer
33		Playback Actuating Lever
34	B-19.868	Record Slide Plate
35	B-19.892	Pressure Pad Spring
36	B-31.334	Felt Pad
37	B-31.334	Felt Pad, Play-Record Hd.
38	57-1C-603-1	# 6-32 x 3/16" B.H.M.S.
39	C-19.839-2	Playback Slide Plate
40	B-31.361	Erase Head Tension Spring
41	48-410-1	# 6-32 Hex. Nut
42	57-16C-606-1	# 6-32 x 3/8" R.H.M.S.
43	B-35.882-1	Record Actuating Lever Ass'y.
44	57-3439-0	# 6-32 x 3/16" Bristol Hd. Set Screw
45	B-32.300	Tape Guide Post
46	48-410-1	# 6-32 Hex. Nut
47	B-32.260	Tape Guide Post Spacer
48	B-31.446-2	Erase Head Return Spring
49	B-19.1410-1	Erase Head Mtg. Plate
50	57-16B-613-0	# 6-32 x 13/16" R.H.M.S.
51	73-2233-5	# 6 Int. Lockwasher
52	C-35.756	Erase Head Ass'y.
53	B-35.1278	Pinch Roller Plate Ass'y.
54	57-1C-603-1	# 6-32 x 3/16" B.H.M.S.
55	73-2231-4	# 6 Int. Lockwasher
56		Tape Guide Lug
57	B-36.254	1/4 Track Play-Record Head
58	57-16C-404-1	# 4-40 x 1/4" R.H.M.S.
59	73-2241-134	Flat Washer, Steel
60	B-19.989	Mounting Bracket, Record Head
61	B-19.990	Spring, Record Head
62	57-3439-0	# 6-32 x 3/16" Bristol Hd. Set Screw
63	B-32.309	Tape Guide Post, Right

Ref. No.	Part No.	Description
64	B-31.360	Pinch Roller Tension Spring
65	B-33.418-2	"E" Ring, 3/16" Shaft
66	B-28.163	Linen Washer
67*	B-33.404*	Pressure Roller
68	B-16.104	Shim Washer, Brass
69	D-35.1436-1	Baseplate & Bearing Ass'y.
70	B-31.351	Reel Drive Tension Spring
71	B-32.485	Record Lock Shaft
72		Record Lock Lever
73		Set Screw, Bristol
74		Hex Nut
75		Hex Nut
76	B-19.858-1	Pushbutton Retainer Bracket
77		Pushbutton Lever
78	B-19.859	Pushbutton Hinge Bracket
79	B-31.337	Pushbutton Return Spring
80	B-31.343	Locking Plate Spring
81	57-21C-804-1	# 8-32 x 1/4" B.H.M.S., Sems
82	57-21C-804-1	# 8-32 x 1/4" B.H.M.S., Sems
83	B-32.291	Shouldered Washer
84	B-31.498	Record Lock Link
85	B-19.1699	Record Lock
86	B-31.338	Record Lock Return Spring
87	B-19.1364-1	Record Lock Mtg. Plate
88	73-2231-5	# 8 Int. Lockwasher
89	57-6C-806-1	# 8-32 x 3/8" R.H.M.S.
90		Brake Pad, Felt
91	B-35.1070-1	Brake Spring Ass'y.
92	B-31.338	Brake Return Spring
93	B-35.1046	Shift Plate Ass'y.
94	B-35.835	Brake Slide Plate Ass'y.
95	73-2241-148F	Flat Washer, Steel
96	48-2221	# 10-32 Hex, Elastic Stop Nut
97	B-31.339	Idle Lever Tension Spring
98	73-2340-1	Varnish Impregnated Washer
99	73-2248-39	Phenolic Washer
100	B-35.1051	Idle Lever Ass'y.
101	B-32.275-1	# 8-32 Hex Hd. Shouldered Screw
102	B-35-1452	Switch Lever Ass'y.
103	57-3698-0	# 8-32 x 3/16" Bristol Hd. Set Screw
104	B-31.333	Switch Arm Link
105	C-13.257-1	Flywheel
106	57-3589-1	# 8-32 x 1/4" Bristol Hd. Set Screw
107	C-35.1050-1	Brake Drum & Bushing Ass'y.
108	57-3589-1	# 8-32 x 1/4" Bristol Hd. Set Screw
109	C-35.1050-1	Brake Drum & Bushing Ass'y.
110	57-3589-1	# 8-32 x 1/4" Bristol Hd. Set Screw
111	B-35.1044	Sub Idler Plate Ass'y.
112	B-32.275-1	# 8-32 Hex Hd. Shoulder Screw
113	B-28.163	Linen Washer
114	B-33.405	Sub Idler
115	73-2254-6	Felt Washer
116	B-28.163	Linen Washer
117	B-35.1066	Sheave Pulley Ass'y.
118*	B-28.181*	Idle Drive Belt
119	B-33.418-2	"E" Ring, 3/16" Shaft
120	B-32.288	Motor Pulley
121	57-3589-1	# 8-32 x 1/4" Bristol Hd. Set Screw
122	B-33.418-2	"E" Ring, 3/16 Shaft
123*	B-33.408*	Rubber Bonded Idler, 2 1/2" Dia.
124	B-35.1064-1	Idler Slide Plate Ass'y.



# MECHANICAL PARTS LIST ( Cont'd)

Ref. No.	Part No.	Description
125	57-6C-806-1	# 8-32 x 3/16" R.H.M.S.
126		Idler Slide Bushing
127	73-2231-5	# 8 Int. Lockwasher
128	73-2241-143	Flat Washer, Steel
129		Flat Washer, Steel
130	B-19.1431-1	Idler Throw-Out Lever
131	B-32.291-1	Shouldered Washer
132	B-31.327	Idler Lift Compression Spring
133	B-33.407-1	"C" Washer
134	57-1C-603-1	# 6-32 x 3/16" B.H.M.S.
135	73-2231-4	# 6 Int. Lockwasher
136	B-19.961	Spring Clip
137	C-35.816-1	Speed Control Shaft Ass'y.
138	B-31.324	Idler Tension Spring, (2 req.)
139	B-19.862	Angle Brkt. for Mtg. Drive Ass'y.

Ref. No.	Part No.	Description
140	73-2231-5	# 8 Int. Lockwasher
141	57-6C-805-1	# 8-32 x 5/16" R.H.M.S.
142	B-19.863	Drive Mtg. Plate Bracket
143	73-2231-5	# 8 Int. Lockwasher
144	57-6C-805-1	# 8-32 x 5/16" R.H.M.S.
145	57-6C-805-1	# 8-32 x 5/16" R.H.M.S.
146	D-35.1438	Drive Mtg. Plate & Bracket Ass'y.
147	B-33.536	Digital Counter
148 *	B-28.175 *	"O" Ring
149		Motor Mtg. Plate
150		Shock Mount
151	B-33.411	Flat Washer
152	48-2221	# 10-32 Elastic Stop Nut
153	35.1053-2	Motor Ass'y.
154	B-33.534	Nylon Cable Clamp
155	B-33.643	4" Fan Blade

\* Ref. No. 67, Pressure Roller, WALSCO Part #1457.

\* Ref. No. 118, Idler Drive Belt, WALSCO Part #1410-07.

\* Ref. No. 123, Rubber Bonded Idler, WALSCO Part #1430.

\* Ref. No. 148, "O" Ring, WALSCO Part #1410-07.

## CABINET PARTS LIST

Part No.	Description
C-35.1375-1	Handle Plate Assembly
C-35.1376-1	Handle Assembly
C-35.1417-2	Monitor Switch Harness Ass'y.
C-35.1450-1	Baffle Assembly
B-19.864-2	Cabinet Fastener Clips
20-2089-1	Plastic Beading, White
C-30.363-1	5" x 7" Speaker, 3.2 ohm
33.630-1	Plastic Bumper, White, 3/8"
33.630-2	Plastic Bumper, White, 3/4"
48-1C-20-0	#1/4-20 Hex Nut
48-2151	#8-32 Tinnerman Push-On Nut
48-2220-1	#8-32 x 11/32 Keps Hex Nut
57-43C-608-4	#6 x 1/2 F.H.W.S.
57-43C-820-0	#8 x 1 1/4 F.H.W.S.
57-46C-612-4	#6 x 3/4 R.H.W.S.
57-66A-508-4	#5 x 1/2 R.H.S.M.S.
57-66A-606-0	#6 x 3/8 R.H.S.M.S.
57-3550	#8-32 x 1 1/4 Wing Shank Screw
73-2241-137	Flat Washer
87-3170-1	Catch, Brass
503-193-1	Covering Material (Outside)
503-193-2	Covering Material (Inside)

Part No.	Description
503-193-3	Covering Material (Inside R.H.)
503-193-4	Covering Material (Inside L.H.)
503-193-5	Covering Material (Bottom)
503-193-6	Covering Material (Case R.H.)
503-193-7	Covering Material (Case L.H.)
503-193-8	Covering Material (Inside Compt.)
507-852	Front Mounting Rail
507-1026	Side Mounting Rail, R.H.
507-1027	Side Mounting Rail, L.H.
507-1028	Rear Mounting Rail
509-231	Block
510-6-49	Glue Block, 1/2 x 1/2 x 4
510-78	Glue Block, 1/2 x 1/2 x 4
515-1349	Front Panel
515-1350	Side Panel, R.H.
515-1351	Side Panel, L.H.
515-1352	Rear Panel
515-1353	Top Panel
515-1354	Bottom Panel
518-65	Partition Panel
520-100	Filler
537-83	Speaker Baffle

AUDIOAMATIC MODEL  
A-900

FOLDER 5

# ACCESSORY STEREO PHONO TURNTABLE MODEL P-902 PARTS LIST

Part No.	Description
B-19,1681	Handle Plate
504-25	Motor Board
B-11,287	Slide Switch, S.P.D.T.
B-20,241-1	Line Cord w/Plug, 6', Gray
B-23,239	Terminal Strip
B-33,599-4	Shielded Cord & Concentric Plug, 60", Gray
B-33,618-2	Tone Arm Assembly (Black)
B-33,620-3	3 Speed Motor w/8" Turntable
105-222	P.G. Butt Connector
35,1372-1	Handle Plate Assembly
C-35,1376-3	Handle Assembly
20-2089-1	Plastic Beading (White)
33,630-1	Plastic Bumper (White) 3/8"
48-1C-21-0	#1/4-20 Hex Nut
57-43C-608-4	#6 x 1/2 F.H.W.S.
57-66A-508-4	#5 x 1/2 R.H.S.M.S.
73-2241-137	#5/8 Flat Washer
87-3164-2	Tack, Brass Plt.
87-3170-2	Catch, Brass Plt.

Part No.	Description
503-192-1	Covering Material (Top)
503-192-2	Covering Material (Inside Lid)
503-192-3	Covering Material (Bottom)
504-25	Motor Board
507-1007-3	Mounting Rail, Rear
507-1007-4	Mounting Rail, Front
507-1007-5	Mounting Rail, Sides
515-1274	Rear Panel
515-1275	Side Panel
515-1276	Top & Bottom Panel
515-1355	Front Panel
8-2499-1	Cabinet Assembly
D-35,1446-1	Motor Board Final Assembly
57-44C-612-4	#6 x 3/4 O.H.W.S.
73-2240-115	#6 Finishing Washer
B-3,108-2	Paper Tubular Cap. 2.5 mfd @ 50V
B-33,528-1	Jack, Open Circuit, 2 Cond. (1/4" Bushing)

# ACCESSORY DUAL EXTENSION SPEAKERS MODEL S-901 PARTS LIST

Part No.	Description
503-195-1	Covering Material
514-8-2	Dowel Rod 4 5/8"
C-35,1384-2	Dowel Rod Assembly
B-31,495	Hinge Pin
B-32,483	Handle Mounting Post
8-2500-1	Speaker Case Assembly
C-35,1444-1	Baffle Board Final Ass'y. (Left)
C-35,1445-1	Baffle Board Final Ass'y. (Right)
1-33,572-1	Molded Plug Assembly (Gray)
48-2213-1	#3/8-32 Hex Nut, Double Chamfered
57-44C-816-4	#8 x 1 O.H.W.S.
73-2240-116	#8 Finishing Washer
73-2243-70	Flat Washer
48-2151	#8-32 Tinnerman, Push-On
57-3549-0	#8-32 x 1 Wing Shank Screw
145-125-1	Plastic Grille (Gold)
537-84	Speaker Baffle (Right)
537-85	Speaker Baffle (Left)
C-35,1443-1	Baffle Assembly (Left)
C-35,1442-1	Baffle Assembly (Right)
B-3,108-2	Paper Tub. Cap. 2.5 mfd @ 50 V
C-30,356-3	3 1/2" Sq. P.M. Speaker, 8 ohm

Part No.	Description
D-30,366-2	8" P.M. Speaker, 8 ohm
48-1C-15-1	#8-32 Hex Nut
57-46C-506-1	#5 x 3/8 R.H.W.S.
73-2231-5	#8 Int. Lockwasher
B-19,1680	Handle Plate
C-35,1376-2	Handle Assembly
35,1379-1	Handle Plate Assembly
33,630-2	Plastic Bumper (White) 3/4"
48-1C-21-0	#1/4-20 Hex Nut
57-43C-608-4	#6-1/2 F.H.W.S.
57-66A-508-4	#5 x 1/2 R.H.S.M.S.
73-2241-137	Flat Washer
87-3170-1	Catch
503-194	Covering Material
507-973	Locating Rail
507-1037	Mounting Rail
507-1038	Mounting Rail
510-6-49	Glue Block, 1/2" x 1/2" x 4"
515-1213	Bottom Panel
515-1215	Front & Rear Panel
515-1217	Side Panel, R.H.
515-1218	Side Panel, L.H.
515-1356	Top Panel
537-84	Baffle Board, Right
537-85	Baffle Board, Left



# AMP PARTS LIST AND DESCRIPTIONS

## TUBES

GENERAL ELECTRIC			RAYTHEON			SYLVANIA		
ITEM No.	USE	TYPE	ITEM No.	USE	TYPE	ITEM No.	USE	TYPE
V1	Preamp. - Bias Osc. - AF Amp.	7025	V4	Stereo AF Amp.	7025	V5	Stereo AF Amp. - Output	7025
V2	AF Amp. - Output	ECL82/6BM8	V6	Rectifier	5Y3GT			
V3	Record Level Ind.	6E5						

## ELECTROLYTIC CAPACITORS

ITEM No.	RATING		REPLACEMENT DATA					
	CAP.	VOLT.	AUDIOMATIC PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.	SPRAGUE PART No.
C1A	50	300	C-5. 421-11	AFH2-41-50 PRSI680	B0331 BR10035	XC3-41	FP227.7 TC79	TMD-2435 TD-50-450
B	100	300						
C	100	300						
C2	16	200	C-5. 483-2	PRSI565	BR1625	QT1-8	TC54	TD-16-250
C3	50	25	B-5. 464-2	PRSI265	BBR50-25	QT1-15	TC29	TD-50-25
C4	50	25	B-5. 464-2	PRSI265	BBR50-25	QT1-15	TC29	TD-50-25

\* Not normally in distributor's stock. Available thru distributor on order to manufacturer.

## FIXED CAPACITORS

Capacity values given in the rating column are in mfd. for Paper Capacitors, and in mmfd. for Mica and Ceramic Capacitors.

ITEM No.	RATING	REMARKS	REPLACEMENT DATA					
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELMENCOR PART No.	MALLORY PART No.	SPRAGUE PART No.
C5	.001	Note 1	SI 1000	DD-102	BYA10D1	CCD-102	B-210	5HK-D10
C6	.01		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10
C7	.01		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10
C8	.01		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10
C9	470		1469-00047		5R5T47	CM-19B-471K	MCJ244	MS-347
C10	.047 200V		P288N-047	DD-503	CUB2S47	4DP-3-473	GEM-4147	2TM-S47
C11	.02		BPD-02	DD-203	BYB6S2	CCD-203	B-120	5HK-S20
C12	.02		BPD-02	DD-203	BYB6S2	CCD-203	B-120	5HK-S20
C13	.02		BPD-02	DD-203	BYB6S2	CCD-203	B-120	5HK-S20
C14	.02		BPD-02	DD-203	BYB6S2	CCD-203	B-120	5HK-S20
C15	.01	Note 2	BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10
C16	.02		BPD-02	DD-203	BYB6S2	CCD-203	B-120	5HK-S20
C17	10 10%		1469-00001	TCZ-10	22R5Q1	CM-19B-100K	MCB215	MS-41
C18	30 10%		1469-00003	TCZ-30	22R5Q3	CM-19B-300K	CNO-433	MS-43
C19	820 10%		1469-00082		5R5T82	CM-19B-821K	MCB251	MS-382
C20	.02 1000V		PI088N-02		CUB10S2	16DP-4-203	GEM-1012	10TM-S20
C21	100 10%		1469-00001	TCZ-100	22R5T1	CM-19B-101K	MCB235	MS-31
C22	.01		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10
C23	.0047		BPD-0047	DD-472	BYA10D47M	CCD-472	B-247	5HK-D47
C24	.01		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10
C25	.01	Note 2	BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10
C26	.1 10V			UK10-104	H-05P1	TA-010	HY-320	
C27	.047 200V		P288N-047	DD-503	CUB2S47	4DP-3-473	GEM-4147	2TM-S47
C28	.02		BPD-02	DD-203	BYB6S2	CCD-203	B-120	5HK-S20
C29	.02		BPD-02	DD-203	BYB6S2	CCD-203	B-120	5HK-S20
C30	.02		BPD-02	DD-203	BYB6S2	CCD-203	B-120	5HK-S20
C31	.01		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10
C32	.02		BPD-02	DD-203	BYB6S2	CCD-203	B-120	5HK-S20

Note 1. When C18 is 39mmf, C17 is not used.

Note 2. Some versions use 100mmf in this application.

## CONTROLS

ITEM No.	RATING		REPLACEMENT DATA					INSTALLATION NOTES
	RESIST-ANCE	WATTS	AUDIOMATIC PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.	MALLORY PART No.	
RIA	1meg		C-8, 253-2	F1-52 R2-31		† QJ-1554R	■ UE4258	Volume, Left Channel
B	100K							Tone, Left Channel

## CONTROLS (cont)

ITEM No.	RATING		REPLACEMENT DATA					INSTALLATION NOTES
	RESIST-ANCE	WATTS	AUDIOMATIC PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.	MALLORY PART No.	
R2A	1meg		C-8, 253-1	F1-52 R2-31		† QJ-1553R	▲ UE4261-S	Volume, Right Channel
B	100K							Tone, Right Channel
C	Switch							Power Off-On
R3A	500Ω		B-8, 240	TT-4		B11-103	PTA52L	Hum Balance
B	Shaft			Not Req.	B47-500-S	TM4	Not Req.	

† "CONCENTRIKIT" Equivalent: K-5 Kit with Base Elements and Shafts; (Not available as a factory assembled unit).

B13-137, P1-114 (Panel)

B11-128, R16-127 (Rear)

‡ "CONCENTRIKIT" Equivalent: K-5 Kit with Base Elements and Shafts; (Not available as a factory assembled unit).

B13-137, P1-114 (Panel)

B11-128, R16-127 (Rear)

76-1 (Switch)

■ "STA-LOC" Equivalent: FB16A, RU15L, OS1437A, IS1875.

▲ "STA-LOC" Equivalent: FB16A, RU15L, OS1437A, IS1875, US-41.

## RESISTORS

All wattages 1/2 watt, or less, unless otherwise listed.

ITEM No.	RATING	REPLACEMENT DATA			ITEM No.	RATING	REPLACEMENT DATA		
		IRC PART No.	WORKMAN TV PART No.	REMARKS			IRC PART No.	WORKMAN TV PART No.	REMARKS
R4	10K				R25	1000Ω			
R5	470K				R26	680K			
R6	100K				R27	100K			
R7	100K				R28	10meg			
R8	10meg				R29	6800Ω			
R9	6800Ω				R30	220K			
R10	220K				R31	2.2meg			
R11	2.2meg				R32	220K			
R12	220K				R33	10meg			
R13	10meg				R34	220K			
R14	220K				R35	100Ω			
R15	100Ω				R36	47K			
R16	47K				R37	470K			
R17	470K				R38	270Ω			
R18	270Ω				R39	330Ω 1W			
R19	330Ω 1W				R40	3300Ω			
R20	3300Ω				R41	33Ω 5W	PW5-33	5W-SQ-33	
R21	3.3Ω 5W	PW5-3.3	5W-SQ-3.3		R42	470Ω 7W	PW7-470	7W-SQ-470	
R22	220K				R43	10K 2W			
R23	100K				R44	100K			
R24	1meg			(1meg) *					

\* Alternate Value.

## COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA					NOTES
		AUDIOMATIC PART No.	Merit PART No.	Miller PART No.	Stancor PART No.	Workman TV PART No.	
L1	Bias Osc.	B-1, 557					

## TRANSFORMER (POWER)

ITEM No.	RATING			REPLACEMENT DATA					NOTES
	PRI.	SEC. 1	SEC. 2	AUDIOMATIC PART No.	Merit PART No.	Stancor PART No.	Thordarson PART No.	Triad PART No.	
T1	117V @ .85A	580VCT @ .090A DC	5V @ 2A	D-9, 262		P-8175		R-112A ①	① Tape CT on 6.3V Winding
	SEC. 3	SEC. 4	SEC. 5						
	6.3V @ 2.3A								

**AMP PARTS LIST AND DESCRIPTIONS (Continued)****TRANSFORMER (AUDIO OUTPUT)**

ITEM No.	IMPEDANCE		REPLACEMENT DATA					NOTES
	PRI.	SEC.	AUDIOMATIC PART No.	Merit PART No.	Stancor PART No.	Thordarson PART No.	Triad PART No.	
T2	7000Ω	3-4Ω	C-9, 303-2	A-3020	A-3823	26S48	S-9Z	
T3	7000Ω	3-4Ω	C-9, 303-2	A-3020	A-3823	26S48	S-9Z	

**SPEAKER**

ITEM No.	TYPE			REPLACEMENT DATA		NOTES
	SIZE	FIELD	V. C. IMP.	AUDIOMATIC PART No.	QUAM PART No.	
SP1	5"x 7"	PM	3-4Ω	C-30, 363-1	57A1	
SP2	5"x 7"	PM	3-4Ω	C-30, 363-1	57A1	

**MISCELLANEOUS**

ITEM No.	PART NAME	AUDIOMATIC PART No.	NOTES
M1	Switch	B-11, 292	Selector (Rotary Wafer)
M2	Switch	B-11, 297	Monitor (Rotary Type)

**WIRING DATA**

General-use Unshielded Hook-up Wire ..... Use BELDEN No. 8530 (Solid) Available in Ten Colors  
 8524 (Stranded) Available in Ten Colors  
 Power Cord ..... Use BELDEN No. 1765-B (6 Ft. Length)  
 1725-K (7½ Ft. Length)  
 Low-Loss Shielded Lead (Interconnecting) ..... Use BELDEN No. 8401  
 Phono Pick-up Arm Cable ..... Use BELDEN No. 8430 (Two Conductor - Twisted)